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(71) Applicant: NIPPON OIL CO LTD

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(74) Representative:

(54) PRODUCTION OF COMPOUND OF TAXANES

(57) Abstract:

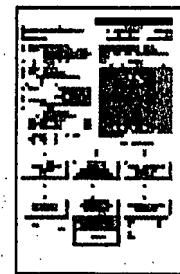
PURPOSE: To obtain a method for producing a compound of taxanes, having antitumor activity and remarkably improved in the productivity thereof.

CONSTITUTION: A cell originating from a plant of the genus *Taxus* (*Taxus* sp.) is cultured in a culture medium containing an aromatic carboxylic acid or an aromatic amino acid added thereto and the objective compound of the taxanes is recovered from the resultant culture. The solid culturing for the purpose of producing the compound of the taxanes is carried out by adding the aromatic carboxylic acid and/or aromatic amino acid to the culture medium and bedding a cultured cell in the obtained culture medium. The culturing is performed by allowing the culture to stand in the dark at 15 to about 30°C for usually 20 to 100 days. The compound of the taxanes may directly be extracted from the cultured cell subjected to the solid culturing and purified; however, the cultured cell is added to a culture medium containing the aromatic carboxylic acid and/or aromatic amino

acid to carry out the liquid culturing.
The objective compound of the taxanes
may be produced in the cultured cell
and culture solution supernatant,
extracted and purified.

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AASAA FUETSUTO NETO;**[View Image](#)[1 page](#)Assignee: **NIPPON OIL CO LTD**
[News, Profiles, Stocks and More about this company](#)Published / Filed: **Dec. 21, 1993 / June 11, 1992**Application Number: **JP1992000177405**IPC Code: **C12P 17/02; C12N 5/04; C12P 17/02;**Priority Number: **June 11, 1992 JP1992000177405**

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Designated Country: **DE FR GB**

Family:

| PDF | Publication | Pub. Date | Filed | Title |
|-----|--------------------|---------------|---------------|--|
| | JP5336985A2 | Dec. 21, 1993 | June 11, 1992 | PRODUCTION OF COMPOUND OF TAXANES |
| | JP2967532B2 | Oct. 25, 1999 | | |
| | EP0577274A3 | May 25, 1994 | June 8, 1993 | Process for preparing taxane compounds |
| | EP0577274A2 | Jan. 5, 1994 | June 8, 1993 | Process for preparing taxane compounds |

4 family members shown above